

**ABSTRACT**

1 A user's movements are detected by a capacitive system having one or more conductors. The  
2 output from the conductors is amplified and compared to a table of stored output. Thus, the device  
3 can eliminate the need to touch a control surface. The control surface such as a computer mouse  
4 could be eliminated in favor of merely sensing a user's hand movement. Likewise, the array of  
5 conductors could be placed in a panel that could be mounted on a wall. Such panels could be used  
6 in a factory to sense the movement of workers or a machinery. Indeed, the movements could be  
7 analyzed and warnings sounded if a collision is predicted.

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